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(71) Applicant (for all designated States except US): ASTRON CLINICA LIMITED [GB/GB]; The Mount, Toft, Cambridge CB3 7RL (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): COTTON, Symon, D'oily [GB/GB]; Rose Cottage, 42 Church Street, Great Gransden, Cambridgeshire SG19 3AF (GB).

(74) Agent: BARKER BRETTLELL; 138 Hagley Road, Edgbaston, Birmingham B16 9PW (GB).

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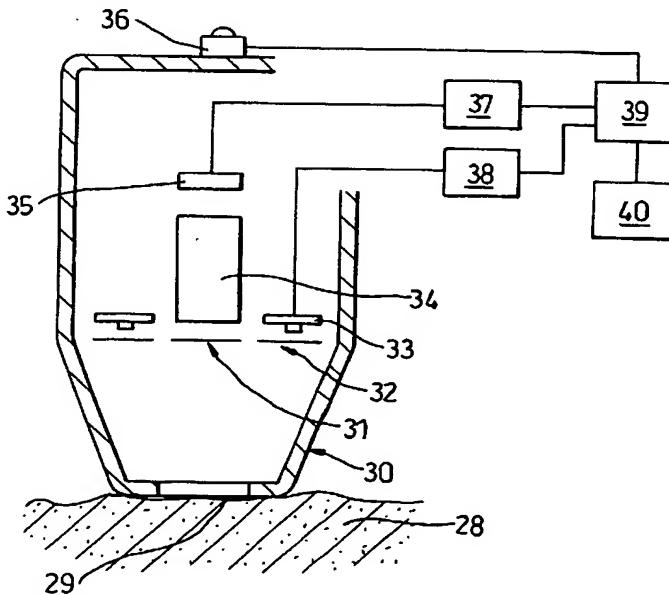
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(54) Title: METHODS AND APPARATUS FOR MEASURING TISSUE HISTOLOGY



(57) Abstract: A method of non-invasively analysing skin structure, comprising the steps of irradiating a plurality of locations over an area of tissue under investigation and detecting the light remitted at each location. An analysis of the light remitted at each location may then be made and a measurement representing the total melanin and dermal melanin within the tissue taken. Next a comparison of the measurement for the dermal melanin obtained previously is made with the measurement for the total melanin obtained previously. The comparison is then used to investigate the histology of the skin.